### PATENT COOPERATION TREATY

## **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference W1.2219PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416						
International application No.	International filing date (day/mont	h/year) Priority date (day/month/year)						
PCT/EP2004/050648	29.04.2004	14.10.2003						
International Patent Classification (IPC) or nat	ional classification and IPC							
B41F13/00								
Applicant KOENIG & BAUER AKTIENGESELLSCHAFT								
This report is the international preli	minary examination report, establis	ned by this International Preliminary Examining Authority						
under Article 35 and transmitted to the								
2. This REPORT consists of a total of	6 she	ets, including this cover sheet.						
3. This report is also accompanied by A	NNEXES, comprising:							
a. (sent to the applicant and	to the International Bureau) a total	of 7 sheets, as follows:						
sheets of the descrip	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative							
sheets which supers	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
Box.								
b. (sent to the International	Bureau only) a total of (indicate type	e and number of electronic carrier(s))						
		, containing a sequence listing and/or tables						
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This report contains indications relati	ing to the following items:							
Box No. I Basis of the	ereport							
Box No. II Priority								
Box No. III Non-establi	ishment of opinion with regard to no	velty, inventive step and industrial applicability						
Box No. IV Lack of uni	ty of invention							
DON THUS. Y								
Box No. VI Certain doc	ox No. VI Certain documents cited							
Box No. VII Certain def	Box No. VII Certain defects in the international application							
Box No. VIII Certain obs	Box No. VIII Certain observations on the international application							
Date of submission of the demand	Date of com	pletion of this report						
		r						
Name and mailing address of the IPEA/EP	Authorized	officer						
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Facsimile No.	Telephone N	Telephone No.						

#### International application No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/EP2004/050648

Box	No. I	I Basis of the report						
1.		th regard to the language, this report is based on the international icated under this item.	l application in the language in	which it was filed, unless otherwise				
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:  international search (Rule 12.3 and 23.1(b))  publication of the international application (Rule 12.4)							
2.	rece	international preliminary examination (Rule 55.2 and/or 55.3)  With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the ecciving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to its report):  the international application as originally filed/furnished the description:						
		pages 3-19 pages* 1,2	received by this Authority on	as originally filed/furnished 11.09.2004 with letter of 07.09.2004				
		pages*	received by this Authority on					
	$\boxtimes$	the claims:						
		nos.		as originally filed/furnished				
		nos.*	as amended (together	r with any statement) under Article 19				
		nos.* <u>1–28</u>	received by this Authority on	11.09.2004 with letter of 07.09.2004				
		nos.*	received by this Authority on					
	$\boxtimes$	the drawings:						
		sheets 1/8-8/8		as originally filed/furnished				
		sheets*	received by this Authority on					
		sheets*	received by this Authority on					
		a sequence listing and/or any related table(s) – see Supplemen	tal Box Relating to Sequence L	isting.				
3.		The amendments have resulted in the cancellation of:						
		the claims, nos. the drawings, sheets/figs						
4.		This report has been established as if (some of) the amendm they have been considered to go beyond the disclosure as filed	ents annexed to this report and	listed below had not been made, since				
		the description, pages						
		the claims, nos.	the claims, nos.					
		the drawings, sheets/figs	7					
			the sequence listing (specify):					
		any table(s) related to sequence listing (specify):						
*	If ite	tem 4 applies, some or all of those sheets may be marked "super:	seded."					

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/050648

Вох			rticle 35(2) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-28	_ YES
		Claims		_ NO
	Inventive step (IS)	Claims	1-28	_ YES
		Claims		_ NO
	Industrial applicability (IA)	Claims	1-28	YES
		Claims		_ NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

- D1: EP-A-1 149 694 (MIYAKOSHI PRINTING MACH) 31 October 2001 (2001-10-31)
- D2: US-A-5 060 569 (GLADOW DEAN E) 29 October 1991 (1991-10-29).

#### 1 Independent claim 1

- 1.1 Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or roll is mounted in a frame part (50) which can be displaced on rollers (204, 210).
- 1.2 The problem to be solved is that of reducing the load on the movable roller-mounted frame part in the operating mode and to make track guidance easier and more economical.
- 1.3 The solution proposed in the present application essentially consists in mounting adjustable

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

rollers on the frame part, which in the operational state are pulled in, in combination with track guidance devices which are securely fastened to the other frame part (see the characterizing part of claim 1). This solution is not disclosed or suggested in the prior art.

Consequently, the present independent claim 1 involves an inventive step within the meaning of PCT Article 33(3).

#### 2 Independent claim 2

- 2.1 Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or a roll is mounted in a frame part (50) which can be displaced by rollers (204, 210), and these rollers (204, 210) move the frame part along tracks (112, 114).
- 2.2 The problem to be solved is that of reducing the load on the movable frame part on rollers in the operational state.
- 2.3 The solution suggested in the present application essentially consists in mounting adjustable rollers on the frame part, wherein in the operational state the rollers are retracted and the tracks partly carry the movable frame part (see the characterizing part of claim 2). This solution is not part of the prior art. Moreover,

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

the prior art offers nothing to suggest the above solution.

Consequently, the present independent claim 2 would appear to involve an inventive step within the meaning of PCT Article 33(3).

#### 3 Independent claim 23

- 3.1 Document D1, which is considered the closest prior art, discloses (the references between parentheses relate to D1), a printing unit (2a, 2b), wherein at least one cylinder (3a, 3b, 4a, 4b) or a roll are mounted in a frame part (10a) which can be moved relative to a further frame part (1d).
- 3.2 The problem to be solved is that of driving the movable frame part and increasing safety.
- 3.3 The solution suggested in the present application essentially consists in providing the immovable frame part with a self-inhibiting drive which can be disconnected from the rack track, and in providing the movable frame part with a rack track, which increases safety (see the characterizing part of claim 23). This solution is not disclosed or suggested in the prior art.

Consequently, the present independent claim 23 would appear to involve an inventive step within the meaning of PCT Article 33(3).

PCT/EP2004/050648 Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 4 Independent claim 28 4.1 Document D1 contains all the features of the present independent claim 28. It discloses a method for moving a frame part (50) of a printing unit (24), wherein the frame part (50) is first lifted vertically and then horizontally displaced along tracks (204, 210). 4.2 The problem to be solved is that of reducing the load on the mobile roller-mounted frame part. 4.3 The proposed solution essentially consists in the fact that the mobile frame part rests directly on the tracks. The prior art offers nothing to suggest permitting the mobile frame part to rest on the tracks. Therefore, the present independent claim 28 would appear to involve an inventive step within the meaning of PCT Article 33(3). 5. Dependent claims 3 to 22 and 24 to 27 The above claims are dependent on inventive independent claims and therefore likewise involve an inventive step within the meaning of PCT Article 33(3).